Chemicals of Concern

Although many organic compounds are useful, many have grave consequences when released into humans or into the environment. As you have already learned, organic solvents pose a health risk to those that use them. You are going to perform a research project on a particular organic compound or class of compounds that has been identified as a particularly high risk. Most of these compounds are in widespread use throughout the world in spite of their known hazards.

Your task will be to research one of these compound. You will be creating a wiki on your assigned chemical. As part of your wiki page you will need to include information such as:

* The chemical formula and structure of the compound
* What are its uses and where is it commonly found
* Health hazards associated with the use of this compound or class of compounds
* Efforts (if any) to curb the use of this compound
* Steps you can take as an individual to limit your exposure to this compound

You will be given three days in the computer labs to complete this task. The final version of the wiki page must be completed by Tuesday April 19th, 2011.

**Chemicals**

2, 4, -dichlorophenoxyacetic acid

Bisphenol-A

Dichlorodiphenyltrichloroethane (DDT)

Dioxin

Formaldehyde

Hexane

Methlene chloride

Methyl mercury

Perfluorinated Compounds (PFCs)

Phthalates

Polybrominated biphenyls (PBBs)

Polybrominated diphenyl ethers (PBDEs)

Polychlorinated biphenols (PCBs )

Polyfluorooctanoic acid (PFOA)\*

Short-chain chlorinated paraffins (SCCPs)

TDCP and TCEP

Triclosan

Vinyl chloride

There are several websites that are available for you to obtain your information from. You might find the following sites of use to you.

Government of Canada Chemical Substances

<http://www.chemicalsubstanceschimiques.gc.ca/index-eng.php>

Safer Chemicals Healthy Families

<http://www.saferchemicals.org/>

<http://www.saferchemicals.org/resources/chemicals>